

Date: Thu, 6 May 93 09:12:11 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #547
To: Info-Hams

Info-Hams Digest Thu, 6 May 93 Volume 93 : Issue 547

Today's Topics:

 Advice to no-code debaters
 AM Modulation Question
 ARRL Bulletin 50 ARLB050
 Can TH-28 or IC-P2AT be converted for extended TX?
 Cellular Scanner
 correction to Macintosh Amateur Radio Software - May 1993
 Hams going to CICC ? / CQ San Diego
 Kenwood 631 mods
 Mobile Flourecent Interference! (2 msgs)
 no-code defense
 PVC tubing for mast?
 QSL Help Needed: ES1J
 Small HF transeiver recommendations ??
 TDMA radios
 What's new at Dayton?
 Zed in callsign:what is it, where come from?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 5 May 93 17:48:11 GMT
From: gossip.pyramid.com!pyramid!infmtx!woof!randall@decwrl.dec.com
Subject: Advice to no-code debaters
To: info-hams@ucsd.edu

Here is some advice to those who continue to participate in the
no-code debate:

2) You have no new arguments. The no-code debate has been flaming on for years. All arguments for or against have been made many times. There are no new arguments, twists, or angles. Give up. By continuing the debate, you will just get flamed.

4) Some people feel religious about anti-CW. They think CW stops all progress of civilization. You will never convince them otherwise.

5) If you really oppose the no-code ticket, then the best thing to do is to positively convince no-code hams to learn code and upgrade. Thousands of no-code hams have done so. There are many reasons to use CW, and the best thing you can do is to show other hams what they are.

73 DE KK6MY

— —

sas@opus.xyplex.COM (Scott Sminkey - Sustaining Eng Group) writes:

>I was interested in trying to build a vestigial sideband rig for
>75m AM while in college. My roommate Steve WA10IX (now KA1SI) was

>an expert on everything about AM and explained that a vestigial
>sideband signal (carrier plus one sideband with the other sideband
>not completely eliminated but way down) cannot be generated in the
>final amp (well, not very easily anyway...). He explained that a
>low level vestigial sideband signal can be more efficiently amplified
>by using a Doherty amplifier than a traditional linear amplifier. I
>searched through the library at WPI and was surprised to find that
>the only references to Doherty amplification were in old dusty books
>from decades ago (yes, Western Electric was prominently mentioned).
>I guess that scheme isn't used anymore. I know that broadcast video
>signals are vestigial sideband. Does anyone know what form of
>amplification is used today in that application?

At my knowledge, the Doherty modulation is often used on high power
AM transmitters. I think it is used on Continental Electronics'
Megawatt AM transmitter.

Claude, DJ00T

Date: 6 May 93 05:20:13 GMT
From: ogicse!uwm.edu!cs.utexas.edu!zaphod.mps.ohio-state.edu!mstar!n8emr!
bulletin@network.UCSD.EDU
Subject: ARRL Bulletin 50 ARLB050
To: info-hams@ucsd.edu

=====
| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
=====

ZCZC AG91
QST de W1AW
ARRL Bulletin 50 ARLB050
>From ARRL Headquarters Newington CT
May 5, 1993
Relayed by KB8NW/OBS & BARF-80 BBS
To all radio amateurs

SB QST ARL ARLB050
ARRLB050 Scanner ban timetable

Changes in FCC rules regarding radio scanners capable of receiving
cellular telephone transmissions will be implemented over the next
year.

Effective with the adoption of the new FCC Part 15 rules on April

26, 1993, the Commission will not grant equipment authorization for receivers that do not comply with the new provisions of Part 15.121. These new provisions do not prohibit the sale or use of authorized receivers manufactured in the U.S., or imported into the U.S., prior to April 26, 1994.

In addition, the manufacture or importation of scanning receivers, and frequency converters designed or marketed for use with scanning receivers, that do not comply with the new provisions in Part 15.121, must cease by April 26, 1994.

More informaton this will appear in June QST.
NNNN

Date: 6 May 93 14:21:51 GMT
From: noao!asuvax!gatech!howland.reston.ans.net!news.ans.net!nynexst.com!
rsilvers@arizona.edu
Subject: Can TH-28 or IC-P2AT be converted for extended TX?
To: info-hams@ucsd.edu

I need a compact HT that can be converted to transmit marine frequencies. Can the IC-P2AT or TH-28 be modified for this? Are these both good choices in general? Which has better quality? Battery life?

Thanks,
--Rob.

Date: Thu, 06 May 93 12:40:09 GMT
From: news.cerf.net!crash!slic!news@network.UCSD.EDU
Subject: Cellular Scanner
To: info-hams@ucsd.edu

In article <9305041901.AA17674@cmr.ncsl.nist.gov> rc@cmr.ncsl.nist.gov writes:

> Quoted from p.28 of the May 3, 1993, issue of Washington Business, a Monday
> section of the Washington Post:
>
> "..... [House] Subcommittee [on telecommunications and finance] members
> saw a newly purchased off-the-shelf cellular telephone become a 'scanner'
> capable of picking up cellular conversations around Capitol Hill.
> "It took a technician maybe three minutes to reprogram the phone's codes
> so it could be used for eavesdropping. 'Every cellular phone is a scanner,
> and they are completely insecure', Sun Micro's Gage said.

Neato. I'd luv to be able to do that to my phone...tell me more..

--

Mike, San Diego, CA USA PGP V2.1 Public Key Available
mikey@sluc.cts.com GENie: SLIC Ham: WB6WUI

Date: 6 May 93 15:11:08 GMT
From: news-mail-gateway@ucsd.edu
Subject: correction to Macintosh Amateur Radio Software - May 1993
To: info-hams@ucsd.edu

Just after I released this list, I received a note that the new Novice and Technician Hypercard Test Stacks by Diana-KC1SP have been out at an ftp'able site. The below information should be used to replace the original text sent out earlier this week.

===== cut here =====

Ham Test Stacks

HyperCard stacks containing the entire question pool for each license class. Can be used for preparation or generating actual tests.

The current releases are: Novice v4.1(new questions eff. 7/1/93), Technician v4.0(new questions eff. 7/1/93), General v2.4, Advanced v2.4, Extra v2.4

If you wish to receive these PUBLIC DOMAIN stacks, please send a SASE (self addressed STAMPED envelope - 2 ounces postage = .52) and 800K diskette to the author: Diana L. Syriac, 3 Spruce Street, Hudson, NH 03051. I will no longer send out the stacks unless the envelope has sufficient postage for return mail (in general, that means .52-.98, depending on size of envelope) and for those who send a standard business envelope, I take no responsibility for the condition of the diskette through USnail.

Available via anonymous FTP from various sites, including uxc.cso.uiuc.edu (/pub/ham-radio). NOTE: The newest releases of Novice and Technician stacks are available at uxc.cso.uiuc.edu (5/6/93) Author is available via Internet: dls@genrad.com

===== cut here =====

73 for now.... c u on the shortwaves

Terry Stader - KA8SCP

America Online Ham Radio Club Host

Internet: tstader@aol.com (files <28K) or
tstader@attmail.com (files >28K)

KA8SCP@WA1PHY.#EMA.MA.USA.NOAM

ka8scp@ka8scp.ampr.org [44.56.4.82] Mac

ka8scp-1@ka8scp-1.ampr.org [44.56.4.120] DOS Clone
(they're BOTH pc's!)

Date: Thu, 06 May 93 12:37:24 GMT
From: news.cerf.net!crash!slic!news@network.UCSD.EDU
Subject: Hams going to CICC ? / CQ San Diego
To: info-hams@ucsd.edu

In article <2682@tekgen.bv.tek.com> brucec@tekgen.bv.tek.com writes:

> Any hams going to Custom Integrated Circuits Conference in
> San Diego May 9 to May 13 ?
> If so, maybe there is a 2mtr repeater there we can use
> for ragchewing. If anyone from San Diego reads this
> maybe you can advise which machine would be best?

I'd throw out to you that 146.64 - (107.2), 146.73 -, and/or
147.15 + (103.5) would be good starts. All are open, high-level
club repeaters. From there, you could get more details. I
haven't been on high-band in a number of years...Mike

--

Mike, San Diego, CA USA PGP V2.1 Public Key Available
mikey@slic.cts.com GENie: SLIC Ham: WB6WUI

Date: Wed, 5 May 1993 14:28:45 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!usc!sdd.hp.com!
hpscit.sc.hp.com!hplextra!hpl-opus!hpspdla!jpotts@network.UCSD.EDU
Subject: Kenwood 631 mods
To: info-hams@ucsd.edu

I am looking for the cross band repeat modification for the Kenwood
TM 631A 2m/220 transceiver. I would also be interested in any
other modifications for this radio.

John Potts jpotts@sad.hp.com
Hewlett Packard, Rohnert Park (MID) (707)-794-5179
Bldg 2LRA

Date: 6 May 93 08:27:43 GMT
From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!howland.reston.ans.net!

darwin.sura.net!rouge!jab0684@network.UCSD.EDU
Subject: Mobile Flourecent Interference!
To: info-hams@ucsd.edu

In article <1993May5.134019.28863@tellab5.tellabs.com> jwa@tellabs.com (John W. Albert) writes:

>The other night I was at an intersection waiting for a the light to
>change. I noticed a great deal of interference on my 2 meter rig and
>scanner. As the light changed the car next to me peeled out and, to
>my surprised, the street was lit up with bright blue flourecent lights.
>The interference, aparently, was caused by a switching supplies that
>ran the lights.

>
>Whats with the lights? Is this a new fad straight out of Deetroit?
>Are the "Low Riders" traiding in their hydrolics for light show equipment?
>Am I square?

>
>I guess I'll have to tape a flourecent tube to my low band Hustler and
>operate some mobile VHF at night.

>
>---

> Jack Albert Fellow Radio Buff
> Tele (708) 512-7854
> Tellabs, Inc. FAX (708) 852-7346
> 4951 Indiana Ave. jwa@tellabs.com
> Lisle, IL
> 60532

> Do you have a certain itch that's so private,
> you'll only discuss it with your physician?
>

Well actually I think it's not flourecent but actually neon lights they use. As I recall neon lights typically require high voltage transformers to supply them with several thousand volts to operate. I suspect this is the soucre of the 'hash' you were receiving.

73 DE kb5udf

kb5udf@ucs.usl.edu

Date: Wed, 5 May 1993 13:40:19 GMT
From: saimiri.primate.wisc.edu!zaphod.mps.ohio-state.edu!howland.reston.ans.net!
darwin.sura.net!news.udel.edu!udel!news.intercon.com!psinntp!laidbak!tellab5!
jwa@ames.arpa
Subject: Mobile Flourecent Interference!
To: info-hams@ucsd.edu

The other night I was at an intersection waiting for a the light to change. I noticed a great deal of interference on my 2 meter rig and scanner. As the light changed the car next to me peeled out and, to my surprised, the street was lit up with bright blue flourecent lights. The interference, aparently, was caused by a switching supplies that ran the lights.

Whats with the lights? Is this a new fad straight out of Deetroit?
Are the "Low Riders" traiding in their hydrolics for light show equipment?
Am I square?

I guess I'll have to tape a flourecent tube to my low band Hustler and operate some mobile VHF at night.

Jack Albert	Fellow Radio Buff
Tele (708) 512-7854	
Tellabs, Inc.	FAX (708) 852-7346
4951 Indiana Ave.	jwa@tellabs.com
Lisle, IL	
60532	

Do you have a certain itch that's so private,
you'll only discuss it with your physician?

Date: Thu, 06 May 1993 03:39:39 GMT
From: usc!zaphod.mps.ohio-state.edu!saimiri.primate.wisc.edu!
usenet.coe.montana.edu!news.uoregon.edu!netnews.nwnet.net!spiff.seattleu.edu!
thebes!ole!ssc!markz@network.UCSD.EDU
Subject: no-code defense
To: info-hams@ucsd.edu

Christopher Ogren (system@mooch.sbs.com) wrote:
: Let Tony's arguments stand on their own two feet.

Yea, lets. Somebody better turn him on his back. He could drown if there's a heavy rain, lying face down in the gutter like that.

As for a poll, the only one that counted was the one that the FCC held. It was called sending in your comments on NPRM 90-55. I did. And the result was a lot more than I expected.

The Amateur Service exists for the benefit of all the citizens of the United States. (Which reminds me, how many of you computer geniuses put a "Distribution: usa" header in your posting so that the rest of the world, which has had no-code licenses for 20 years,

didn't have to bother with this.)

Mark Zenier markz@ssc.wa.com markz@ssc.com N7RCX

Date: Wed, 5 May 1993 23:02:31 GMT
From: spsgate!mogate!newsgate!NewsWatcher!user@uunet.uu.net
Subject: PVC tubing for mast?
To: info-hams@ucsd.edu

In article <1993May5.193413.25897@newsgate.sps.mot.com>,
markm@bigfoot.sps.mot.com (Mark Monninger) wrote:

>
> Does anyone have any experience using PVC tubing for antenna support
> masts?

I have a 40 meter inverted vee on my roof using 1 1/2 inch sched 40.
I built a steel wool balun into the top of it. Although its only
about 11 feet tall, it works well and could be reasonable extended
to 20 feet. I painted it to protect from UV. (Mark) Give me a call
if you want to see it.

* Chris Terwilliger, KI7LD rrgd50@email.sps.mot.com *
* Motorola "And now, the sequence of events, *
* 2100 E. Elliot Rd. EL374 in no particular order." *
* Tempe, AZ 85284 - Dan Rather *

Date: 6 May 93 13:47:10 GMT
From: pa.dec.com!mast.enet.dec.com!reisert@decwrl.dec.com
Subject: QSL Help Needed: ES1J
To: info-hams@ucsd.edu

Anyone have manager, ex-callsign or direct address for ES1J (Estonia)?

Thanks - Jim

--
James J. Reisert Internet: reisert@mast.enet.dec.com
Digital Equipment Corp. UUCP: ...decwrl!mast.enet.dec.com!reisert
146 Main Street - ML03-6/C9 Voice: 508-493-5747
Maynard, MA 01754 FAX: 508-493-0395

Date: Thu, 6 May 1993 11:02:55 GMT

From: usc!howland.reston.ans.net!torn!nott!bnrgate!bnr.co.uk!pipex!
crossfield.co.uk!rjc@network.UCSD.EDU
Subject: Small HF transeiver recommendations ??
To: info-hams@ucsd.edu

Hi,

I've been dormant on HF for some time (because I'm living in an apartment), but shortly I hope to move to a house where I should be more able to use HF.

My current HF gear is very old, all valve and I would like to buy something more modern or even new.

Can anyone out there in net land give me any recommendations or comments on rigs to avoid !!

My basic requirements are that the rig should cover all HF bands TX with general coverage RX. It should be small enough to put in a car, and hence should run on 12V electrics without any external inverters etc.

Thanks in advance.

Roger Clark. G4KYF.

Date: Wed, 5 May 1993 21:10:34 GMT
From: rit!isc-newsserver!ultb!cep4478@cs.rochester.edu
Subject: TDMA radios
To: info-hams@ucsd.edu

Can anybody point me to any elementary articles on how to implement a TDMA point-to-multipoint wide-bandwidth data radio? The basic ideas seem simple enough, but I can't quite see how you'd build a practical system. Specifically, when I think of timesharing a channel, I think in terms of control packets and go-ahead messages, but if you've got a timeline sliced up into tiny little chunks, the speed-of-light at, say, 1/4-T1 speeds, becomes a significant number of bits for a 20-30 mile path. I don't see how you can get away with losing that much time out of the timeslice, without having a lot of dead airtime in between when a close-in radio trasmits and a far-away radio gets its timeslice.

Chris

--

Christopher E. Piggott, WZ2B
President
Rochester Institute of Technology

cep4478@ultb.isc.rit.edu
wz2b.ampr [44.69.0.1]
wz2b @ WB2PSI.#WNY.NY.USA.NA

Amateur Radio Club K2GXT

CEP4478@RITVAXA.BITNET

Date: 5 May 1993 20:51:27 GMT
From: unogate!news.service.uci.edu!usc!elroy.jpl.nasa.gov!sdd.hp.com!
saimiri.primate.wisc.edu!zaphod.mps.ohio-state.edu!howland.reston.ans.net!agate!
violet.berkeley.edu!mtrail@@mvb.saic.com
Subject: What's new at Dayton?
To: info-hams@ucsd.edu

So what was new at Dayton this year? Any great new products,
scuttlebutt, etc? I'm particularly interested in HF and qrp
gear, but any news would be appreciated.

Matt Trail KN6CR
University of California ARC, W6BB

Date: 6 May 93 08:44:59 GMT
From: ogicse!emory!europa.eng.gtefsd.com!gatech!pitt.edu!jjast7@network.UCSD.EDU
Subject: Zed in callsign:what is it, where come from?
To: info-hams@ucsd.edu

Andrew Schwartz Parker (easu348@orion.oac.uci.edu) wrote:

: Hi folks!
: I'm a new HAM, and I have one maybe stupid question that the FAQ does not begin
: to cover. Here in California (hopefully elsewhere) HAMS with a "Z" in their
: callsign sometimes say the (word?) "zed" instead of just plain "Z". I'm
: wondering why, and where it came from, if anyone knows. Oh, and it's not just
: another replacement for "zulu", it's instead of the letter Z. Thanks for
: everyone's help.
: Andrew

: --
: Andrew Parker | KD6TGM | easu348@orion.oac.uci.edu

The same reason we used to use a callsign WA3GXW Whiskey Alpha Three
Golf X-Ray William: Diversity

--

Peace, JA

--

But Officer, my car doesn't GO that fast! alles@med.pitt.edu

Date: 5 May 1993 16:56:59 -0500
From: mvb.saic.com!unogate!news.service.uci.edu!usc!cs.utexas.edu!
gerald@cc.utexas.edu!flubber@cc.utexas.edu!not-for-mail@network.UCSD.EDU
To: info-hams@ucsd.edu

References <lu377sINNifl@news.bbn.com>, <C6Fp4o.F2L@news.Hawaii.Edu>,
<4MAY199320442342@zeus.tamu.edu>texas
Subject : Re: no-code defense

Well, now, I said "Who cares" earlier. I stand by that. We've hashed it all out before. But ...

I agree with Tony and Tiffany. I'm all for the Codeless license as it stands now. I was against it before, but it has had no ill effects I've seen. Should we expand the privileges of codeless techs? Nope, I don't think we should. HF being what it is, sometimes cw works best. No denying it; it happens to be true. Whether you use it or not, it's up to you. But, if you're going to operate those frequencies, you should know it at least. If you don't want to operate those frequencies, don't upgrade. If you do want to operate those frequencies, upgrade. That's all from here. Keep things the way they are. They work that way. Those who want to upgrade and use hf will. Those who don't ... well, won't.

73,

--

Buddy Brannan, KB5ELV, Riff-Raff #4
The World's Youngest Old Fart :-)
Internet: davros@ccwf.cc.utexas.edu
"... Every inch of me that isn't a carnivore is 100% vegetarian."--Elf-Kin

Date: 5 May 1993 17:01:31 -0500
From: dog.ee.lbl.gov!overload.lbl.gov!agate!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!zaphod.mps.ohio-state.edu!cs.utexas.edu!gerald@cc.utexas.edu!
flubber@cc.utexas.edu!not-for-mail@network
To: info-hams@ucsd.edu

References <lu377sINNifl@news.bbn.com>, <C6Fp4o.F2L@news.Hawaii.Edu>,
<4MAY199320442342@zeus.tamu.edu>o-sta
Subject : Re: no-code defense

As an additional note, I got my Novice (with code) at 14; got my general four months later. I sat on my butt and didn't study and waited oh--about two years (or was it three?) to upgrade to Advanced. Took a little over a year (just enough to let my CSCE lapse) to pass my extra, the easiest one.

CSCE? Yup. It wasn't for theory either. I passed the 20 wpm _three_ times.

First, in January '88 at 14; again in '90 (or '91) January; and again in February 28 1992 when I finally passed the theory. (Not that the theory is hard; the Advanced is hardest, but that's not too too bad ...) The code isn't so bad .. I'd say if half the energy spent in pis-and-moan sessions about how hard the code is was expended to actually learn it and improve it, probably everyone would pass 20 if they wanted to. Oh well ... No more on this from me. I've said my share, and I've done too much of that even, considering that I think this whole thread is silly.

--

Buddy Brannan, KB5ELV, Riff-Raff #4

The World's Youngest Old Fart :-)

Internet: davros@ccwf.cc.utexas.edu

"... Every inch of me that isn't a carnivore is 100% vegetarian."--Elf-Kin

End of Info-Hams Digest V93 #547
